

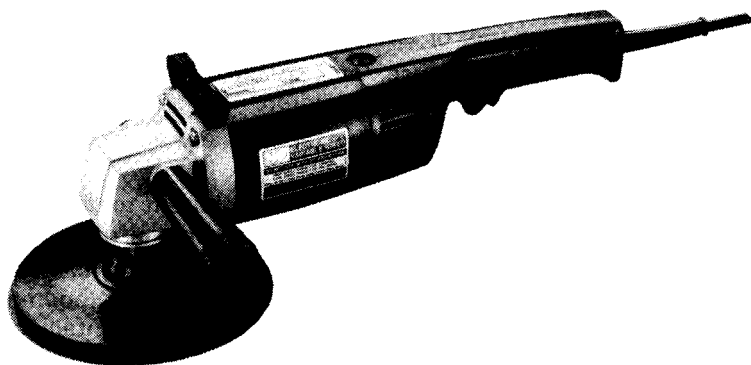
Makita

アメリカ

Electronic Sander Polisher

180 mm (7") MODEL 9207SPC

INSTRUCTION MANUAL



**DOUBLE
INSULATION**

SPECIFICATIONS

No load speed	Overall length	Net weight	Spindle thread
1,500 – 2,800 R/min.	470 mm (18-1/2")	3.5 kg (7.7 lbs)	5/8-11UNC

* Manufacturer reserves the right to change specifications of parts and accessories without notice.

* Note: Specifications of parts and accessories may differ from country to country.

IMPORTANT SAFETY INSTRUCTIONS

(For All Tools)

WARNING: WHEN USING ELECTRIC TOOLS, BASIC SAFETY PRECAUTIONS SHOULD ALWAYS BE FOLLOWED TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK, AND PERSONAL INJURY, INCLUDING THE FOLLOWING:

READ ALL INSTRUCTIONS.

1. **KEEP WORK AREA CLEAN.** Cluttered areas and benches invite injuries.
2. **CONSIDER WORK AREA ENVIRONMENT.** Don't use power tools in damp or wet locations. Keep work area well lit. Don't expose power tools to rain. Don't use tool in presence of flammable liquids or gases.
3. **KEEP CHILDREN AWAY.** All visitors should be kept away from work area. Don't let visitors contact tool or extension cord.
4. **STORE IDLE TOOLS.** When not in use, tools should be stored in dry, and high or locked-up place — out of reach of children.
5. **DON'T FORCE TOOL.** *It will do the job better and safer at the rate for which it was intended.*
6. **USE RIGHT TOOL.** Don't force small tool or attachment to do the job of a heavy-duty tool. Don't use tool for purpose not intended.
7. **DRESS PROPERLY.** Don't wear loose clothing or jewelry. They can be caught in moving parts. Rubber gloves and non-skid footwear are recommended when working outdoors. Wear protective hair covering to contain long hair.
8. **USE SAFETY GLASSES.** Also use face or dust mask if cutting operation is dusty.
9. **DON'T ABUSE CORD.** Never carry tool by cord or yank it to disconnect from receptacle. Keep cord from heat, oil, and sharp edges.
10. **SECURE WORK.** Use clamps or a vise to hold work. It's safer than using your hand and it frees both hands to operate tool.
11. **DON'T OVERREACH.** Keep proper footing and balance at all times.
12. **MAINTAIN TOOLS WITH CARE.** Keep tools sharp and clean for better and safer performance. Follow instructions for lubricating and changing accessories. Inspect tool cords periodically and if damaged, have repaired by authorized service facility. Inspect extension cords periodically and replace if damaged. Keep handles dry, clean, and free from oil and grease.
13. **DISCONNECT TOOLS.** When not in use, before servicing, and when changing accessories, such as blades, bits, cutters.

14. **REMOVE ADJUSTING KEYS AND WRENCHES.** Form habit of checking to see that keys and adjusting wrenches are removed from tool before turning it on.
15. **AVOID UNINTENTIONAL STARTING.** Don't carry tool with finger on switch. Be sure switch is OFF when plugging in.
16. **EXTENSION CORDS.** Make sure your extension cord is in good condition. When using an extension cord, be sure to use one heavy enough to carry the current your product will draw. An undersized cord will cause a drop in line voltage resulting in loss of power and overheating. Table 1 shows the correct size to use depending on cord length and nameplate ampere rating. If in doubt, use the next heavier gage. The smaller the gage number, the heavier the cord.

TABLE 1 MINIMUM GAGE FOR CORD SETS

		Total Length of Cord in Feet			
		0 — 25	26 — 50	51 — 100	101 — 150
Ampere Rating More Than	Not More Than	A W G			
0	— 6	18	16	16	14
6	— 10	18	16	14	12
10	— 12	16	16	14	12
12	— 16	14	12	Not Recommended	

17. **OUTDOOR USE EXTENSION CORDS.** When tool is used outdoors, use only extension cords intended for use outdoors and so marked.
18. **STAY ALERT.** Watch what you are doing, use common sense. Don't operate tool when you are tired.
19. **CHECK DAMAGED PARTS.** Before further use of the tool, a guard or other part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function. Check for alignment of moving parts, binding of moving parts, breakage of parts, mounting, and any other conditions that may affect its operation. A guard or other part that is damaged should be properly repaired or replaced by an authorized service center unless otherwise indicated elsewhere in this instruction manual. Have defective switches replaced by authorized service center. Don't use tool if switch does not turn it on and off.
20. **GUARD AGAINST ELECTRIC SHOCK.** Prevent body contact with grounded surfaces. For example; pipes, radiators, ranges, refrigerator enclosures.
21. **REPLACEMENT PARTS.** When servicing, use only identical replacement parts.
22. **POLARIZED PLUGS.** To reduce the risk of electric shock, this equipment has a polarized plug (one blade is wider than the other). This plug will fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician to install the proper outlet. Do not change the plug in any way.

VOLTAGE WARNING: Before connecting the tool to a power source (receptacle, outlet, etc.) be sure the voltage supplied is the same as that specified on the nameplate of the tool. A power source with voltage greater than that specified for the tool can result in **SERIOUS INJURY** to the user — as well as damage to the tool. If in doubt, **DO NOT PLUG IN THE TOOL**. Using a power source with voltage less than the nameplate rating is harmful to the motor.

SAVE THESE INSTRUCTIONS.

PRECAUTION IN USE

Do not use with D.C. application.

HOW TO USE

Switch action

To start the tool, simply pull the trigger. Release the trigger to stop. For continuous operation without having to keep your finger on the trigger, just pull the trigger and then push in the lock button with your thumb. To stop the tool from the lock position, simply pull the trigger again and release it.

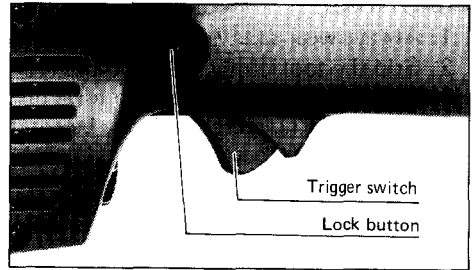


Fig. 1

Speed changes

If the knob on the switch lever in front is turned to the "H" setting, the high speed is obtained; if set to the "L" setting, the low speed results. Use the suitable speed setting in order to obtain the best performance and finish.

High speed For disc sanding
Low speed For polishing

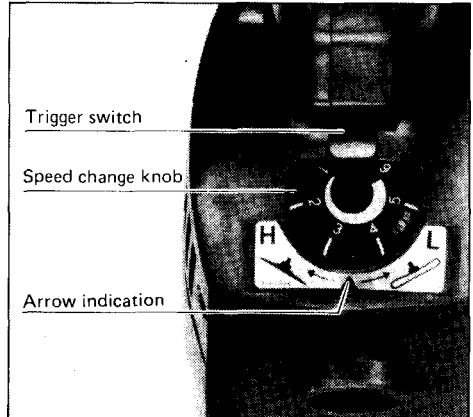


Fig. 2

Knob setting in terms of speed

The tool speed can be set for anywhere from 1,500 to 2,800 rpm. Simply align any knob numbered setting with the arrow indicator. Consult chart below for approximate speeds obtained for each of the numbered settings.

You can also obtain speeds other than the settings by adjusting the knob in between.

For example, for 2,150 rpm, align so that arrow will be pointed halfway between the numbers 3 and 4.

CAUTION:

The knob for speed settings can be turned only as far as 6 and back to 1. Do not force the knob past 6 or the speed change function may no longer work.

Numbered Setting	RPM
1	1500
2	1750
3	2000
4	2300
5	2550
6	2800

CAUTION

ALWAYS SWITCH OFF AND UNPLUG THE TOOL BEFORE INSTALLING OR REMOVING A SANDING DISC OR WOOL BONNET.

CAUTIONS:

1. Always wear safety glasses and mask during operation.
2. Grip the tool firmly with both hands.
3. Do not touch the rotating abrasive disc.
4. When sanding metal surfaces, be careful of the flying sparks. Handle tool in terms of the direction they fly.

FOR USE AS A SANDER

For disc sanding, assemble tool as seen at right.

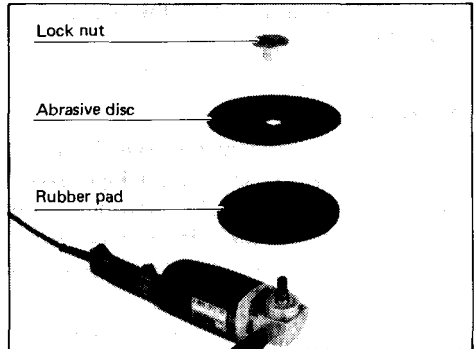


Fig. 3

Hold the spindle firmly with the wrench. Put on the rubber pad and all, then tighten lock nut using the lock nut wrench, turning clockwise.

Make certain the rubber pad tightening nut is not loose.

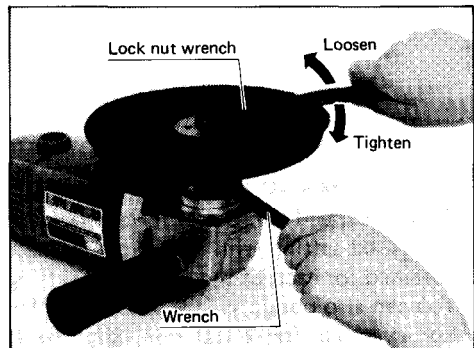


Fig. 4

Operation

When applying sander to work surface, keep the angle at 10 to 15 degrees and use gentle pressure only.

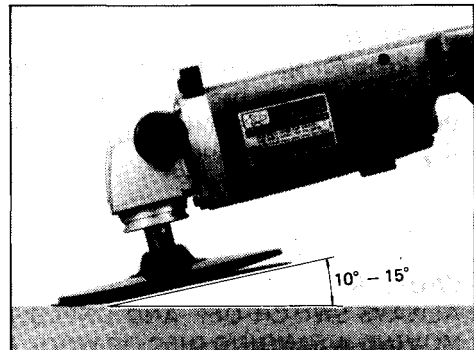


Fig. 5

FOR USE AS A POLISHER

For polishing operation, assemble the tool as at right. Hold the spindle firmly with the wrench 17. Put on the rubber pad, then tighten lock nut using the lock nut wrench provided, turning clockwise. Next, put wool bonnet on, fastening it securely with strings as snugly as possible, near the center. Tuck in the loose ends of the cord in between the wool bonnet and the rubber pad.

CAUTION:

Loose cord ends when using the wool bonnet can be very dangerous. Always tuck them safety in out of the way.

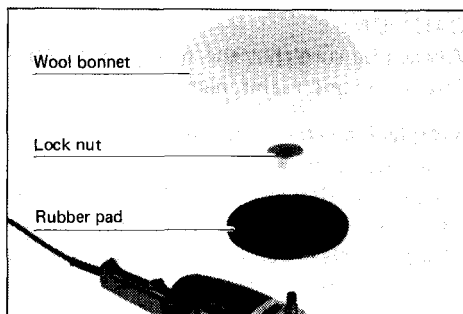


Fig. 6

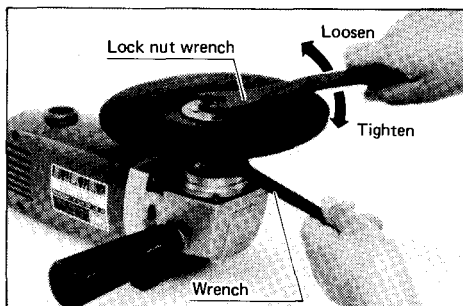


Fig. 7

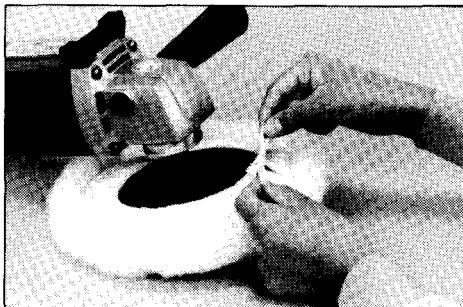


Fig. 8

Operation

When polishing, keep the angle at about 15 degrees and work gently in the direction the polisher is turning.

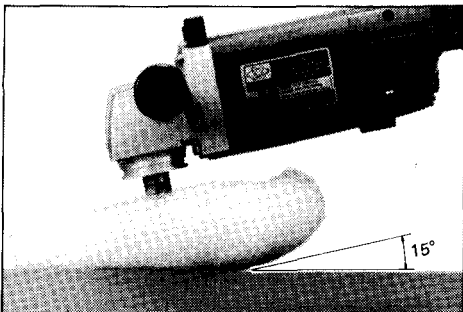


Fig. 9

MAINTENANCE

CAUTION:

Always be sure that the tool is switched off and unplugged before attempting to perform inspection and maintenance.

• Replacing carbon brushes

Remove and check the carbon brushes regularly. Replace when they wear down to the limit mark. Keep the carbon brushes clean and free to slip in the holders. Both carbon brushes should be replaced at the same time. Use only identical carbon brushes.

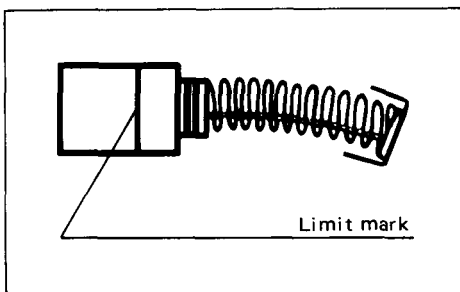


Fig. 10

ACCESSORIES

CAUTION: The accessories specified in this manual are recommended for use with your Makita Electronic Sander Polisher. The use of any other accessories might be hazardous.

- **Wool bonnet 180**

(Part No. 743404-0)



- **Lock nut wrench 28**

(Part No. 782413-4)



- **Abrasive disc**



- **Wrench 17**

(Part No. 781008-0)



Grit	Part No.	Discs per pkg
16	742067-9	10
20	742068-7	
24	742069-5	
30	742089-9	
50	742070-0	
80	742071-8	
100	742090-4	
120	742091-2	

- **Rubber pad 170**

(Part No. 743012-7)

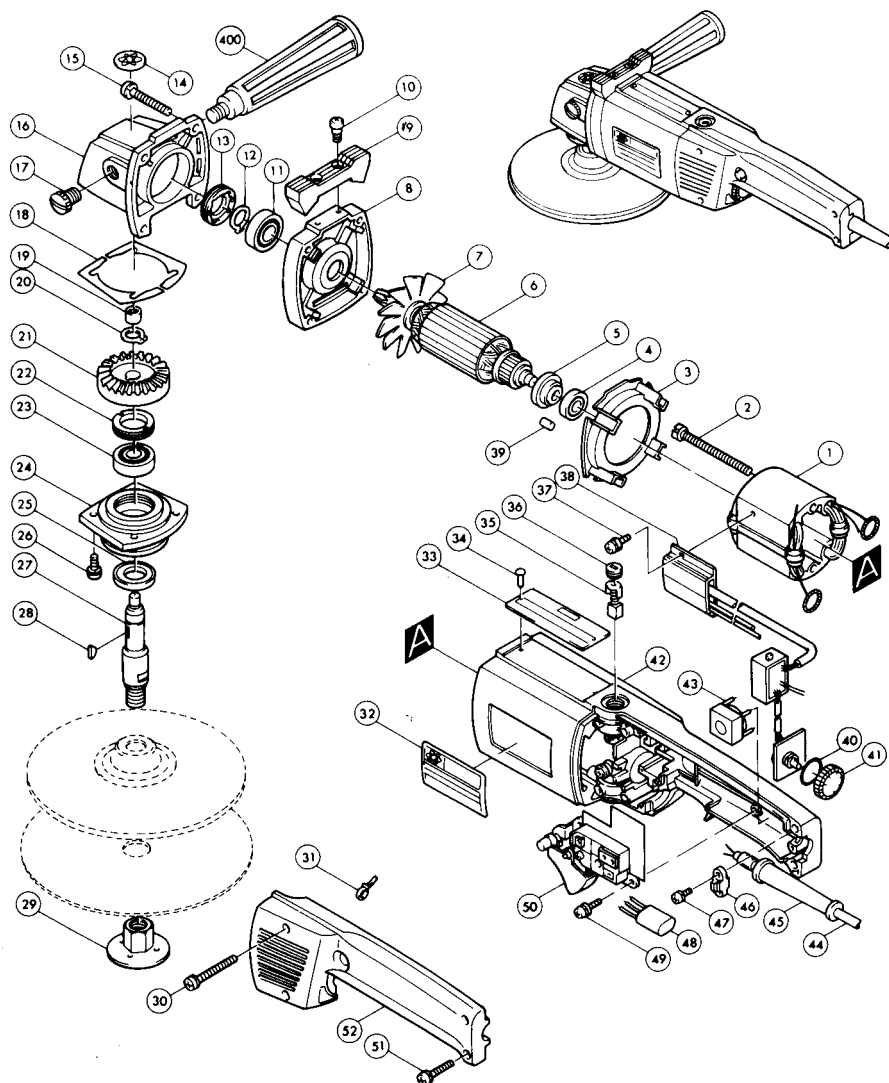


- **Lock nut 48**

(Part No. 224517-1)



180 mm (7") **ELECTRONIC SANDER POLISHER** **Model 9207SPC**



Note: The switch, noise suppressor and other part configurations may differ from country to country.

ITEM NO.	NO. USED	DESCRIPTION	ITEM NO.	NO. USED	DESCRIPTION
MACHINE			MACHINE		
1	1	FIELD ASSEMBLY (With Garter Spring x 2)	28	1	Woodruff Key 3
2	2	H. Bolt M5x70 (With Washer)	29	1	Lock Nut 16-48
3	1	Baffle Plate	30	2	P. H. Screw M4x45 (With Washer)
4	1	Ball Bearing 608LB	31	2	Band
5	1	Insulation Washer	32	1	Label
6	1	ARMATURE ASSEMBLY (Assembled Items 4-7)	33	1	Name Plate
7	1	Fan 68	34	2	Rivet 0-5
8	1	Gear Housing Cover	35	2	Carbon Brush
9	1	Tool Rest	36	2	Brush Holder Cap
10	2	P. H. Screw M5	37	2	P. H. Screw M3x6 (With Washer)
11	1	Ball Bearing 6002LLB	38	1	Controller
12	1	Retaining Ring S-15	39	1	Rubber Pin 4
13	1	Bearing Retainer 19-33	40	1	O Ring 17
14	1	Label	41	1	Speed Change Knob 28
15	4	P. H. Screw M5x40 (With Washer)	42	1	Motor Housing (With Brush Holder x 2, S. Screw M5x8 x 2 & Item 40)
16	1	Gear Housing	43	1	Line Coil
17	1	Cap Screw M12x12	44	1	CORD ASSEMBLY (Assembled Cord, Plug & Cord Guard)
18	0-3	Shim	45	1	Cord Guard
19	1	Needle Bearing 810	46	1	Strain Relief
20	1	Retaining Ring S-12	47	2	P. H. Screw M4x18 (With Washer)
21	1	Spiral Bevel Gear 44	48	1	Noise Suppressor
22	1	Bearing Retainer 22-34	49	2	P. H. Screw M4x6 (With Washer)
23	1	Ball Bearing 6201LLB	50	1	Switch
24	1	Bearing Box	51	2	P. H. Screw M4x28 (With Washer)
25	1	Dust Seal 20	52	1	Handle Cover
26	4	P. H. Screw M4x14 (With Washer)	400	1	Grip 37
27	1	Spindle			

Note: The switch, noise suppressor and other part specifications may differ from country to country.

MAKITA LIMITED ONE YEAR WARRANTY

Warranty Policy

Every Makita tool is thoroughly inspected and tested before leaving the factory. It is warranted to be free of defects from workmanship and materials for the period of ONE YEAR from the date of original purchase. Should any trouble develop during this one-year period, return the COMPLETE tool, freight prepaid, to one of Makita's Factory or Authorized Service Centers. If inspection shows the trouble is caused by defective workmanship or material, Makita will repair (or at our option, replace) without charge.

This Warranty does not apply where:

- repairs have been made or attempted by others;
- repairs are required because of normal wear and tear;
- The tool has been abused, misused or improperly maintained;
- alterations have been made to the tool.

IN NO EVENT SHALL MAKITA BE LIABLE FOR ANY INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES FROM THE SALE OR USE OF THE PRODUCT. THIS DISCLAIMER APPLIES BOTH DURING AND AFTER THE TERM OF THIS WARRANTY.

MAKITA DISCLAIMS LIABILITY FOR ANY IMPLIED WARRANTIES, INCLUDING IMPLIED WARRANTIES OF "MERCHANTABILITY" AND "FITNESS FOR A SPECIFIC PURPOSE," AFTER THE ONE-YEAR TERM OF THIS WARRANTY.

This Warranty gives you specific legal rights, and you may also have other rights which vary from state to state. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. Some states do not allow limitation on how long an implied warranty lasts, so the above limitation may not apply to you.

Makita Corporation

3-11-8, Sumiyoshi-cho,
Anjo, Aichi 446 Japan

883403A063

PRINTED IN JAPAN
1992 - 9 - N